

Focus Area 24: Respiratory Diseases

Objective 24-2a calls for reduction in the hospitalization rate for asthma to 25.0 per 10,000 children under five years of age.

Hospital discharge data indicate a statistically significant decline in discharge rates among California resident children under age five with a principal diagnosis of asthma (ICD-9-CM code 493) from 35.3 per 10,000 in 2000 to 24.6 per 10,000 in 2005 (Figure 24-2a, Table 24-2a). As of 2005, this HP2010 objective is being achieved for children (all races, both sexes) under the age of five.

Asthma hospitalization rates for males under age five declined significantly from 46.1 per 10,000 males in 2000 to 31.3 per 10,000 in 2005, but remained significantly higher than the HP2010 target and nearly twice as high as the rates for females under age five (significant decline from 24.1 per 10,000 in 2000 to 17.5 per 10,000 females in 2005). This HP2010 objective is being achieved for females, but not for males under age five.

Examined by race and ethnicity, the highest asthma hospitalization rates among children under age five were found for Blacks/African Americans (59.2 per 10,000 in 2005). Although these rates declined significantly between 2000 and 2005, they were significantly higher than rates for all other racial and ethnic populations. Asthma hospitalization rates for White children under age five (23.5 per 10,000 in 2005), Hispanic/Latino children under age five (21.6 per 10,000 in 2005), Asian/Pacific Islander children under age five (18.3 per 10,000 in 2005), and American Indian/Alaska Native children under age five (13.3 per 10,000 in 2005) were all below the HP2010 target rate of 25.0 per 10,000. As of 2005, this HP2010 objective was being achieved for all racial and ethnic populations under age five except Black/African American children.

For more information on asthma, visit the California Asthma Public Health Initiative Web site at:

<http://www.dhs.ca.gov/asthma>

and the CDHS Chronic Disease Control Branch Web site at:

<http://www.dhs.ca.gov/ps/cdic/cdcb/Medicine/asthma/html/ChildrenLinks.htm>

For more information on Healthy People 2010 objective 24-2a, please visit:

http://www.healthypeople.gov/Document/HTML/Volume2/24Respiratory.htm#_Toc489704825

and

<http://www.healthypeople.gov/Document/html/tracking/od24.htm#asthma>

Figure 24-2a
Asthma Hospitalization Rates Among Children Under Age 5
California, 2000-2005

Healthy People 2010 objective = 25.0

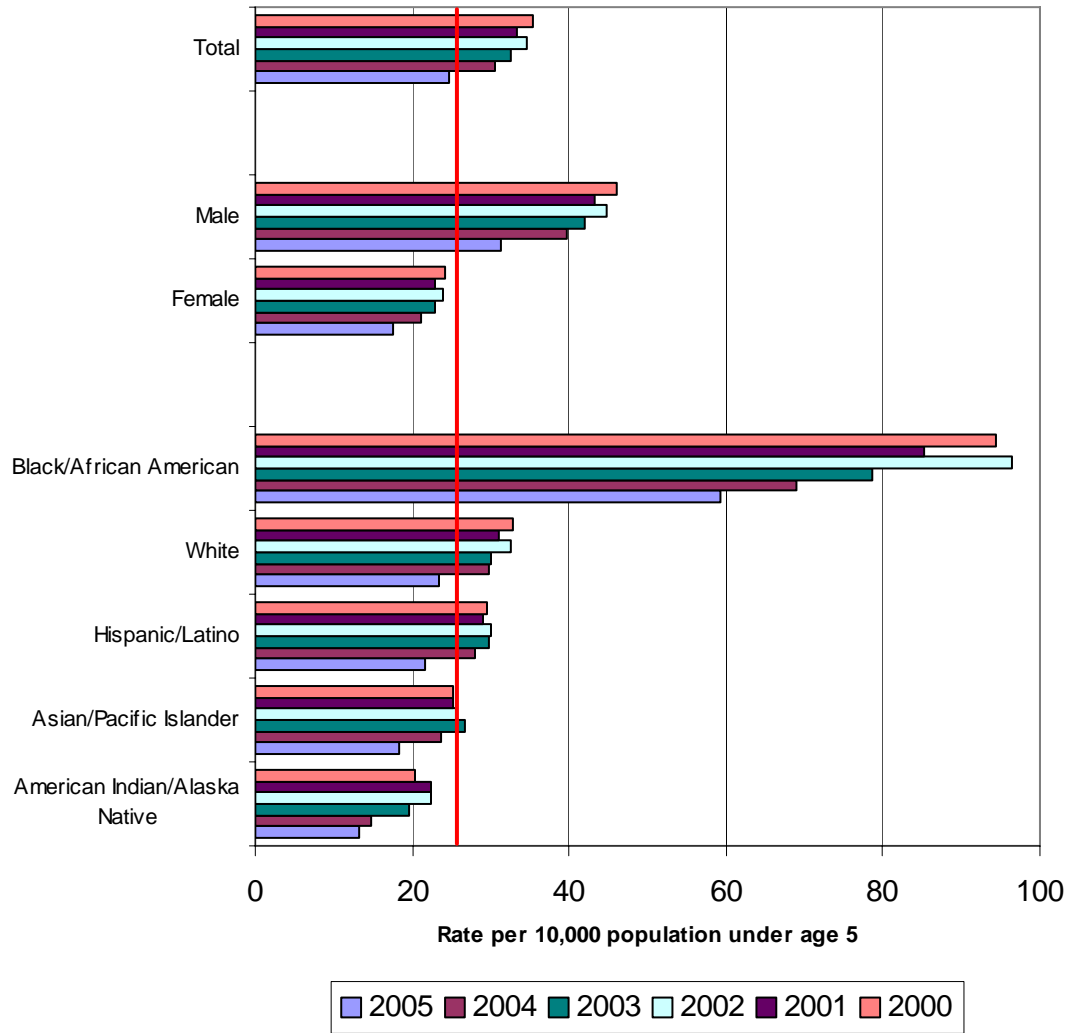


Table 24-2a: Asthma Hospitalization Rates Among Children Under 5 Years of Age, California 2000-2005

Objective 24-2a	2000		Lower 95% C.I.	Upper 95% C.I.	2001		Lower 95% C.I.	Upper 95% C.I.
	N	Rate ¹			N	Rate ¹		
Healthy People 2010 Target		25.0				25.0		
Statewide Total	8,771	35.3	34.6	36.1	8,286	33.4	32.7	34.1
Race-Ethnicity								
American Indian/Alaska Native	25	20.4	12.4	28.3	27	22.5	14.0	31.0
Asian/Pacific Islander	574	25.1	23.1	27.2	584	25.3	23.3	27.4
Black/African American	1,532	94.5	89.7	99.2	1,347	85.2	80.7	89.8
Hispanic/Latino	3,491	29.4	28.5	30.4	3,475	29.1	28.2	30.1
White	2,621	32.8	31.5	34.0	2,418	31.1	29.8	32.3
Gender								
Female	2,920	24.1	23.2	25.0	2,791	23.0	22.2	23.9
Male	5,850	46.1	44.9	47.2	5,494	43.3	42.2	44.5

Objective 24-2a	2002		Lower 95% C.I.	Upper 95% C.I.	2003		Lower 95% C.I.	Upper 95% C.I.
	N	Rate ¹			N	Rate ¹		
Healthy People 2010 Target		25.0				25.0		
Statewide Total	8,639	34.7	33.9	35.4	8,287	32.6	31.9	33.3
Race-Ethnicity								
American Indian/Alaska Native	25	22.5	13.7	31.4	24	19.6	11.7	27.4
Asian/Pacific Islander	599	25.8	23.8	27.9	636	26.7	24.6	28.7
Black/African American	1,479	96.4	91.5	101.3	1,222	78.7	74.3	83.1
Hispanic/Latino	3,633	30.1	29.1	31.1	3,676	29.7	28.7	30.6
White	2,481	32.5	31.2	33.7	2,339	30.1	28.8	31.3
Gender								
Female	2,927	24.0	23.1	24.9	2,834	22.8	22.0	23.7
Male	5,712	44.8	43.7	46.0	5,453	42.0	40.9	43.1

Objective 24-2a	2004		Lower C.I.	Upper C.I.	2005		Lower C.I.	Upper C.I.
	N	Rate ¹			N	Rate ¹		
Healthy People 2010 Target		25.0				25.0		
Statewide Total	7,905	30.6	29.9	31.3	6,459	24.6	24.0	25.2
Race-Ethnicity								
American Indian/Alaska Native	20	14.8	8.3	21.2	20	13.3	7.5	19.2
Asian/Pacific Islander	579	23.7	21.8	25.7	458	18.3	16.6	20.0
Black/African American	1,071	68.9	64.8	73.1	933	59.2	55.4	63.0
Hispanic/Latino	3,569	28.0	27.0	28.9	2,853	21.6	20.8	22.4
White	2,322	29.7	28.5	30.9	1,854	23.5	22.5	24.6
Gender								
Female	2,680	21.2	20.4	22.0	2,253	17.5	16.8	18.2
Male	5,225	39.6	38.6	40.7	4,206	31.3	30.4	32.3

SOURCES: Office of Statewide Health Planning and Development, Patient Discharge Data, 2000-2005;

CA Department of Finance, Demographic Research Unit, *Population Projections by Race/Ethnicity for California and Its Counties 2000-2050*, May 2004.

NOTES: * ICD-9-CM code 493 in the Principal Diagnosis field of the discharge record.

¹ Rate per 10,000 population under age 5.